

FIG. 1

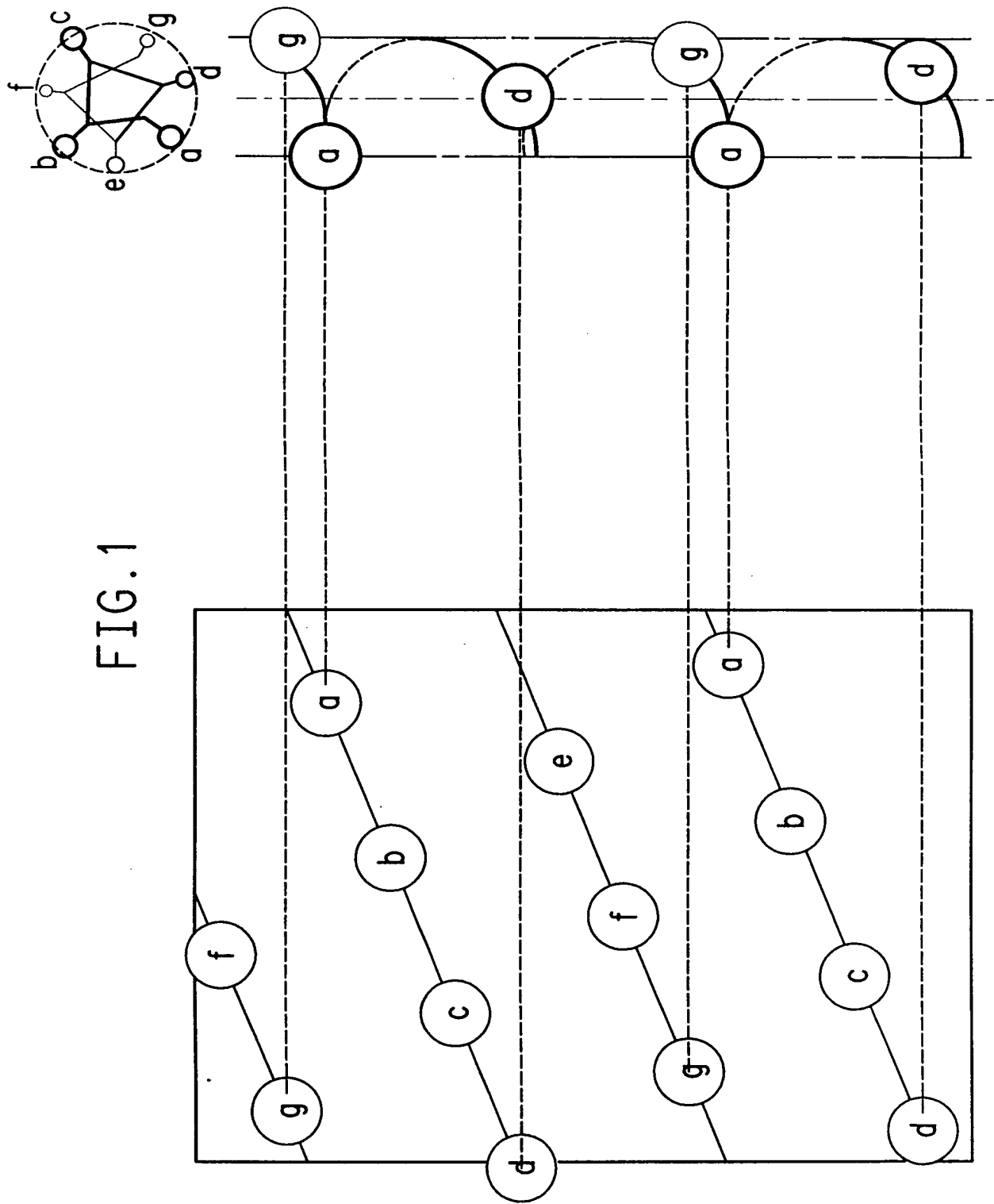


FIG.2A

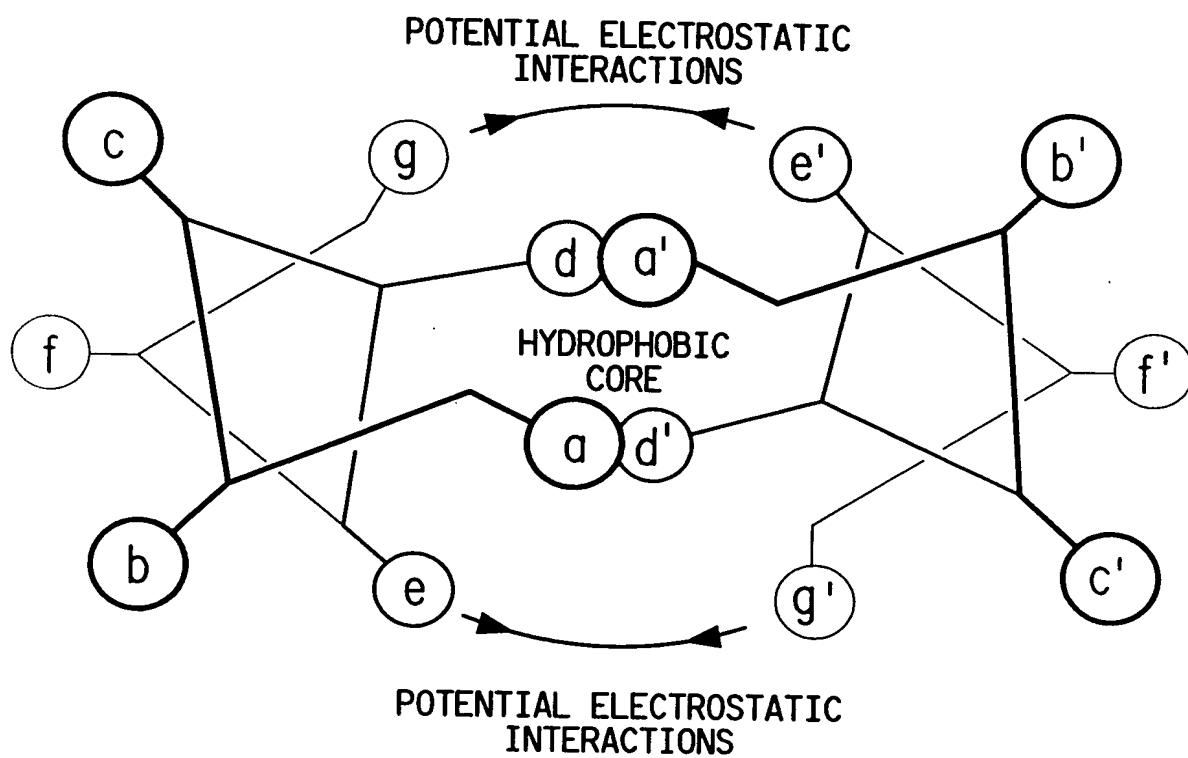


FIG.2B

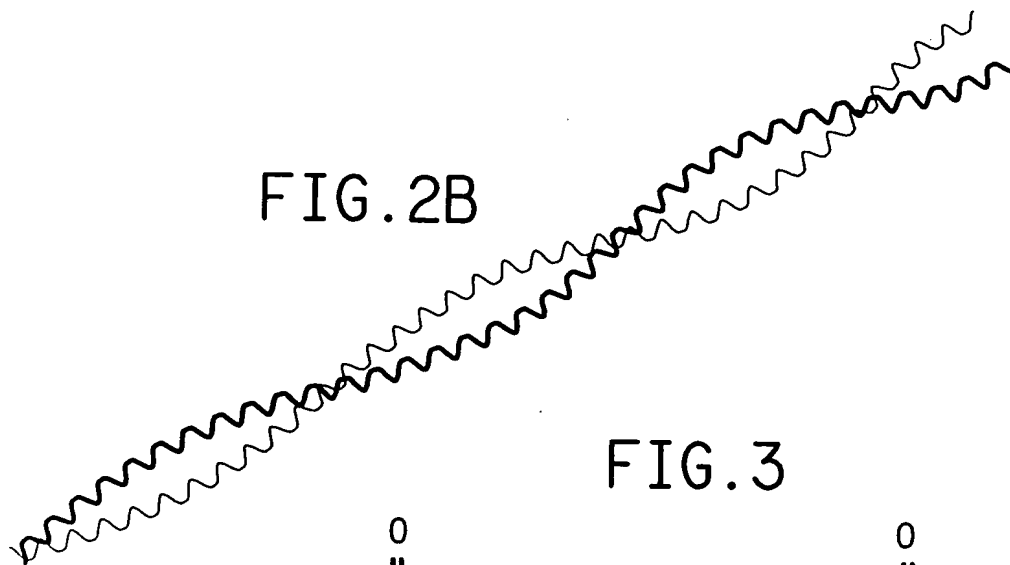


FIG.3

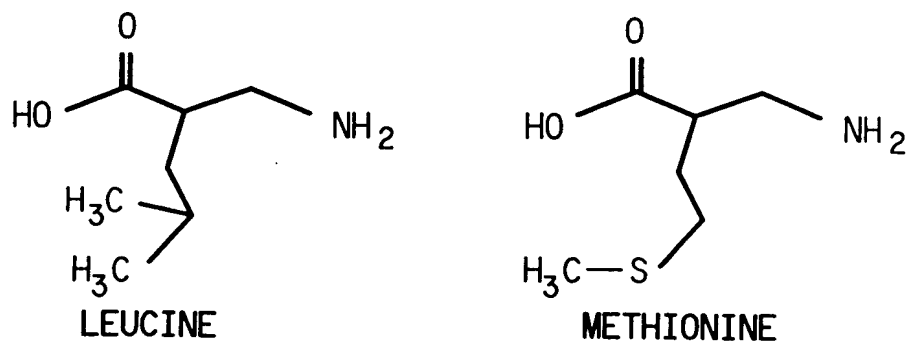


FIG. 4a

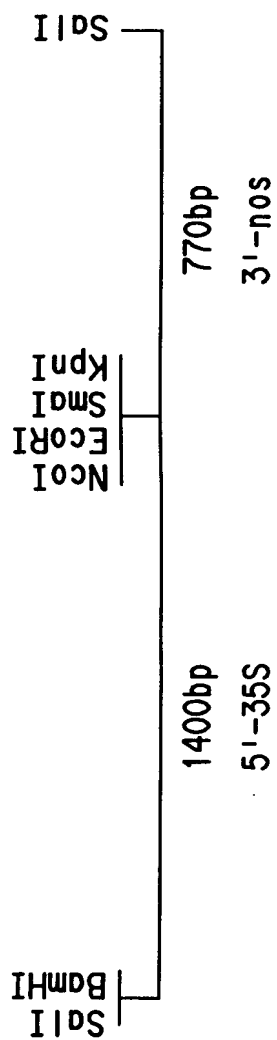


FIG. 4b

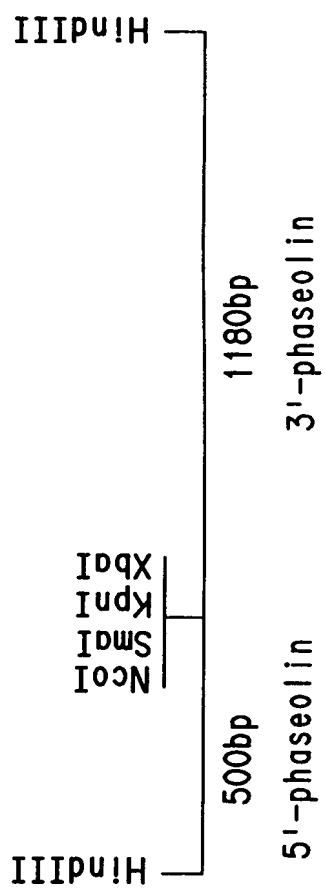
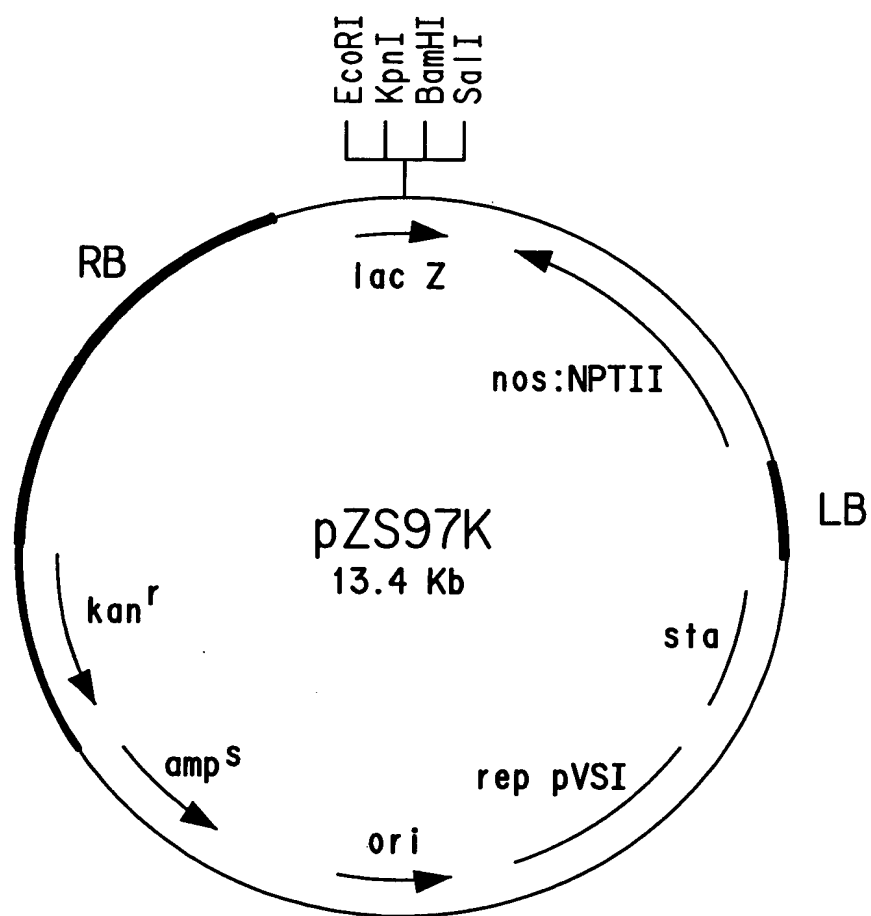


FIG.5



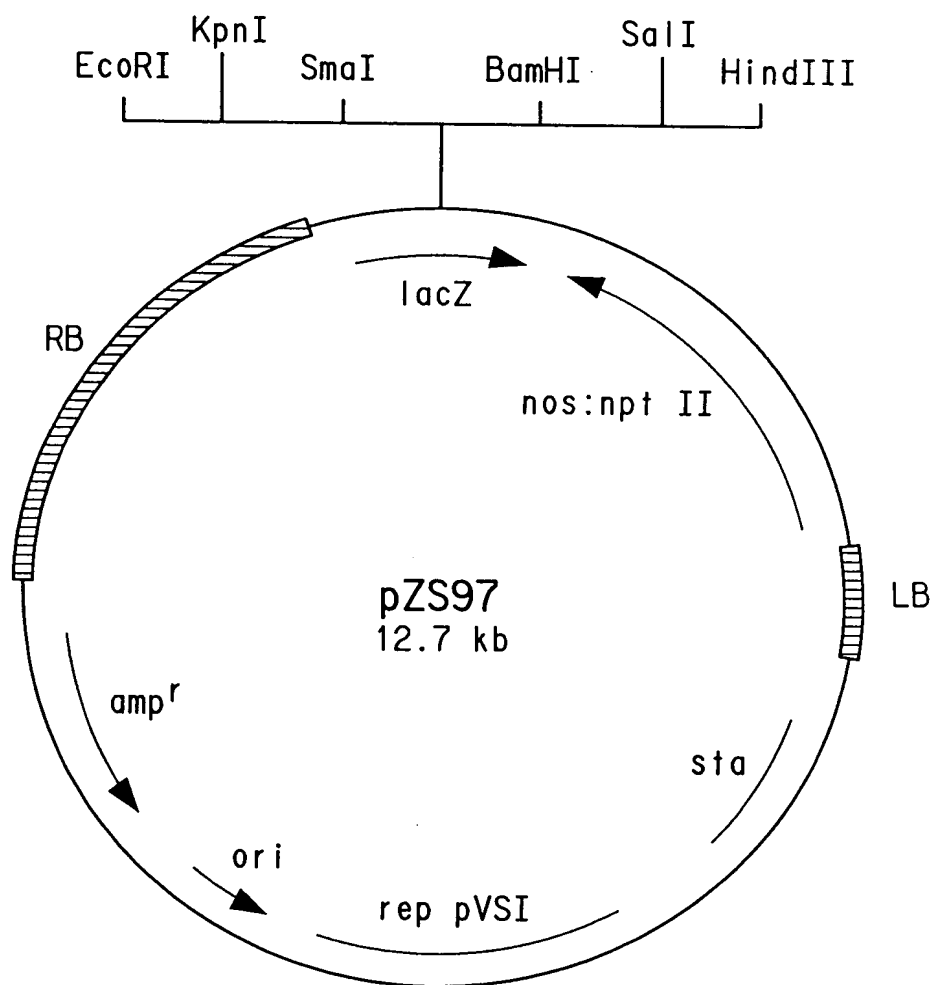


FIG.6

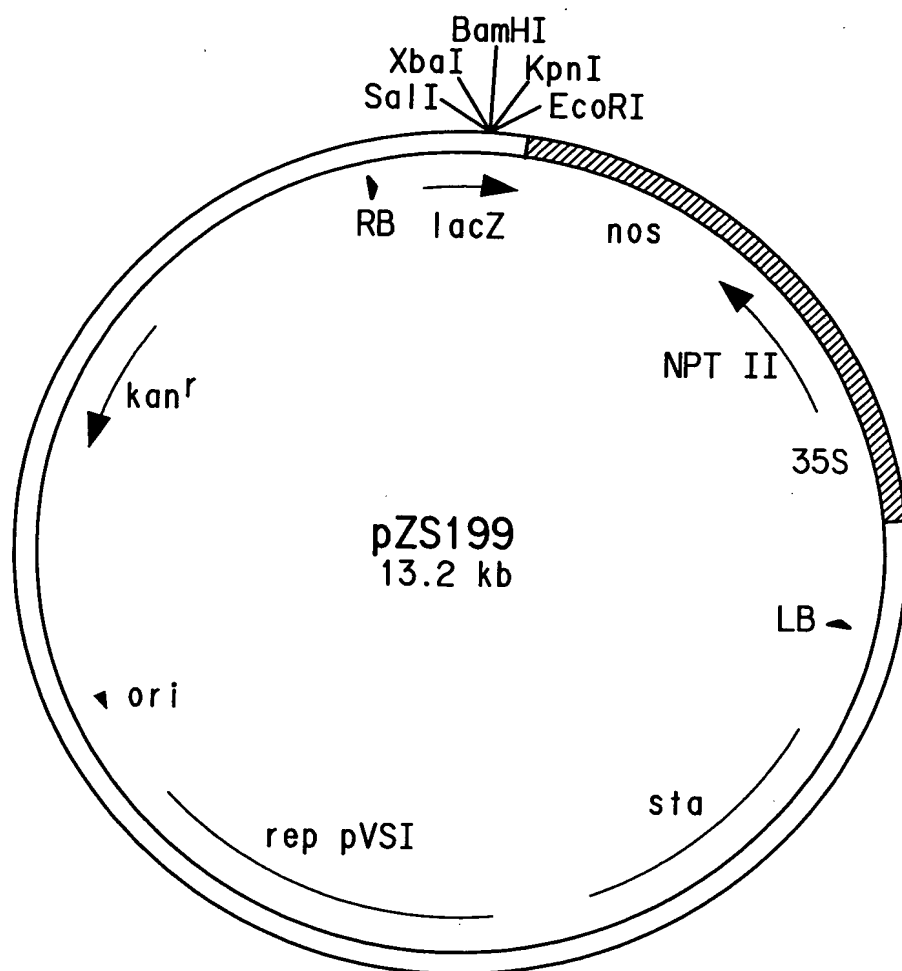


FIG.7A

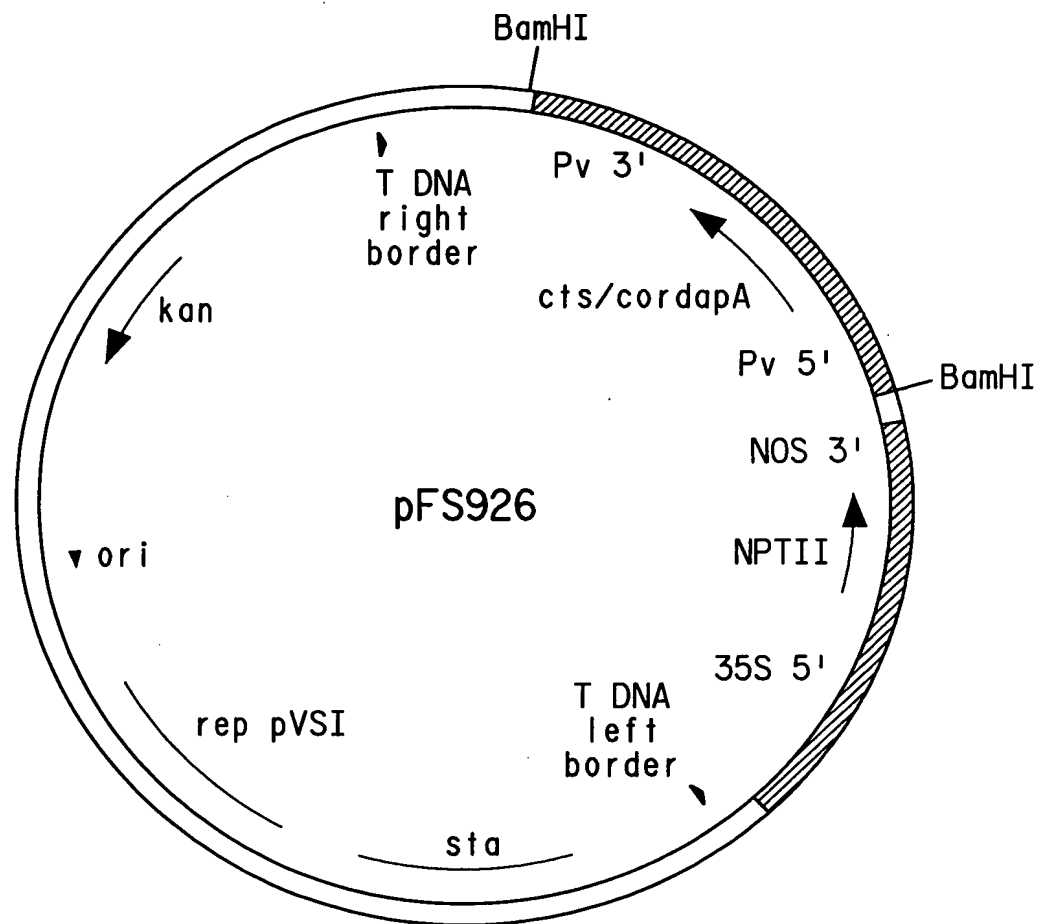


FIG. 7B

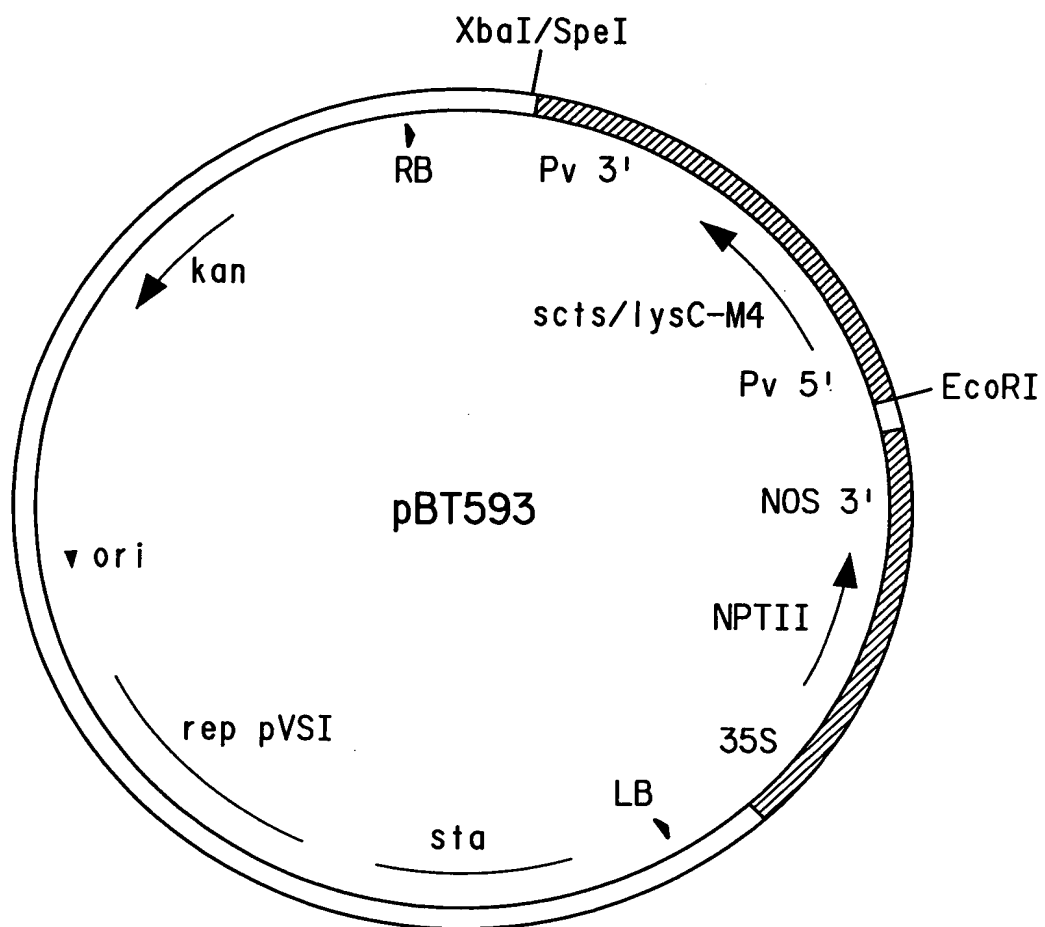


FIG. 7C



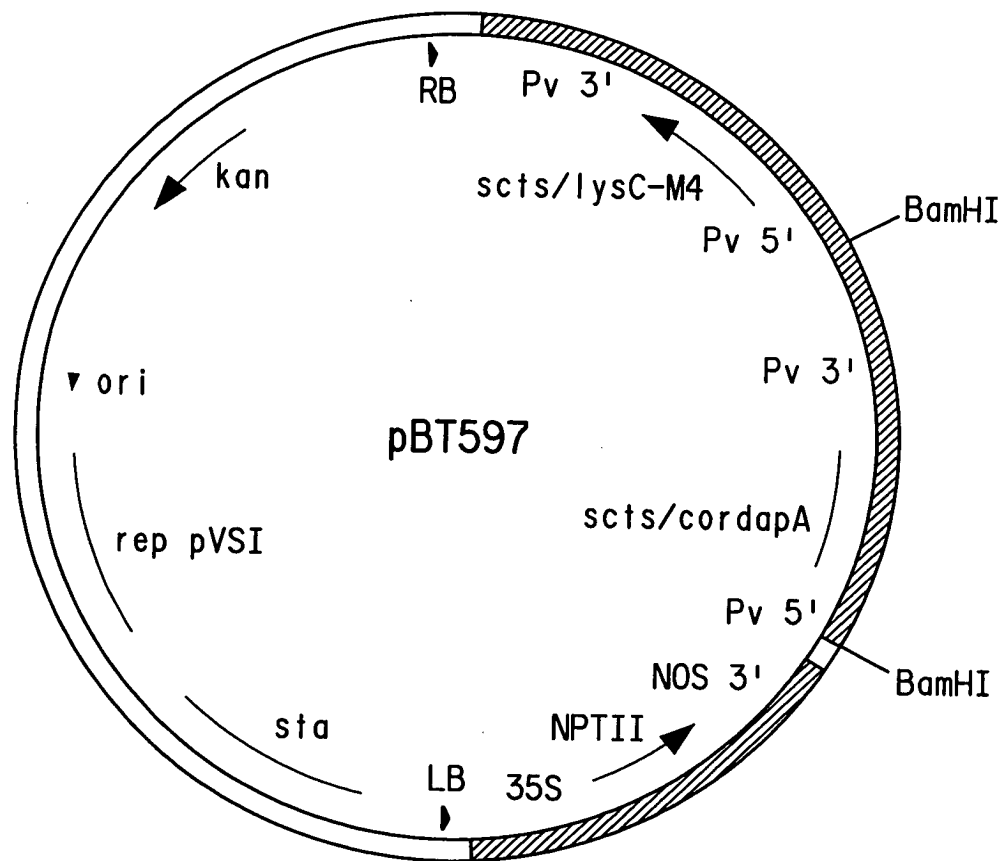


FIG. 7D

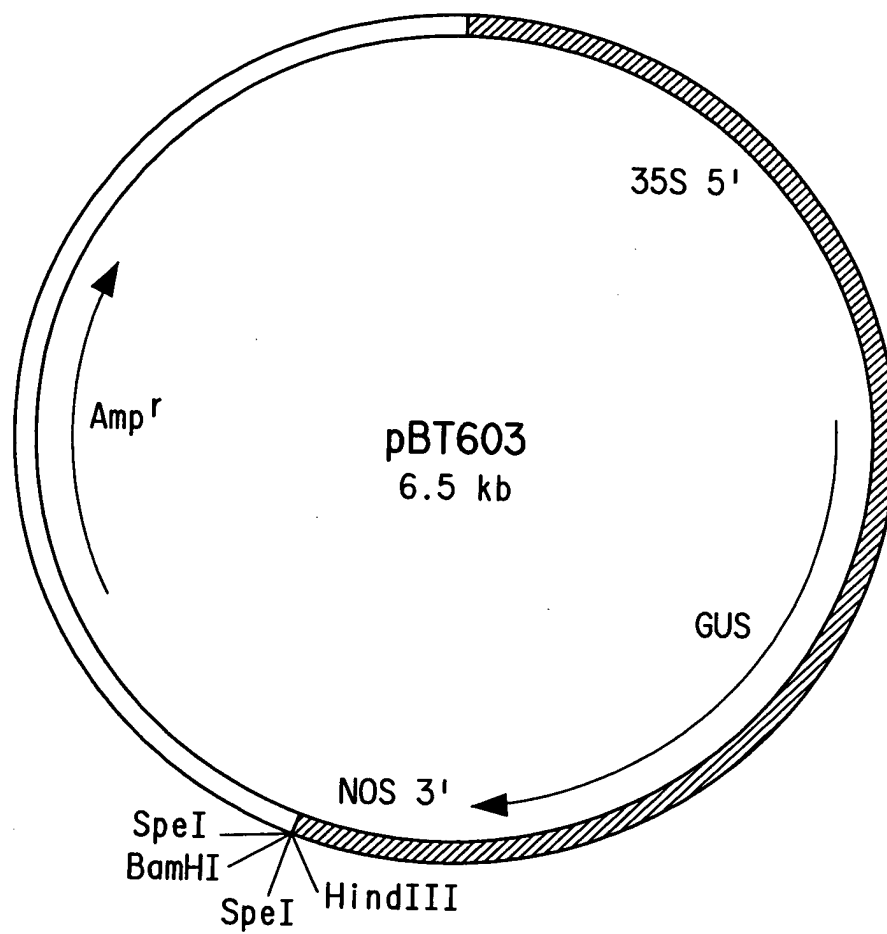


FIG.8A

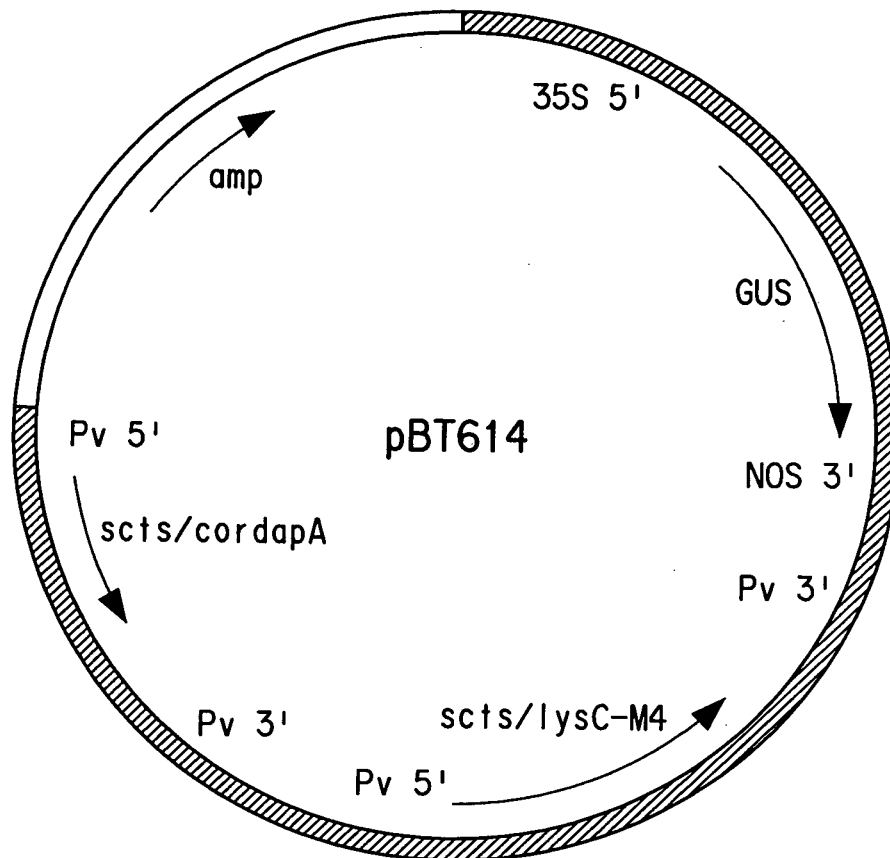
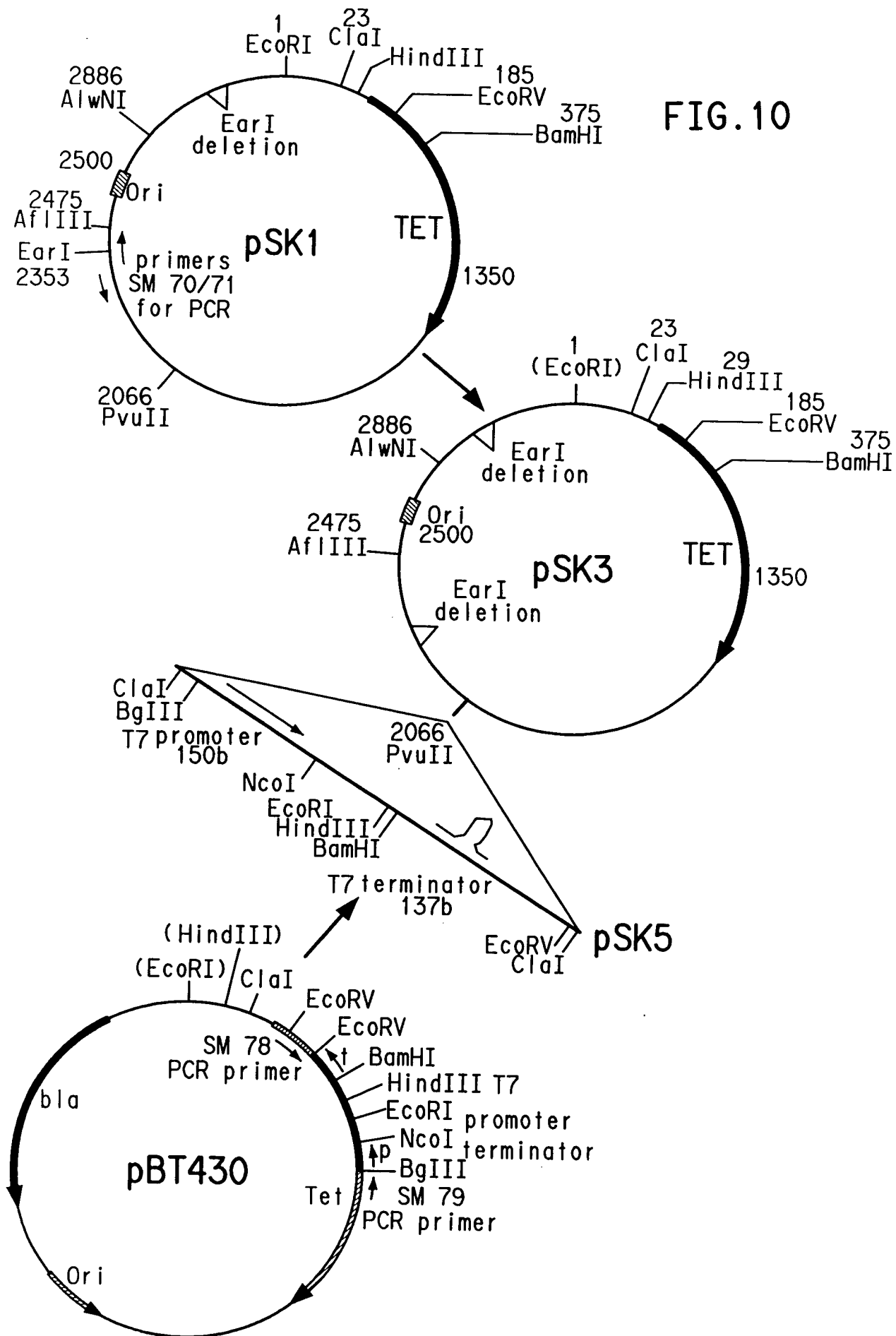


FIG. 8B

# FIG.9

SEQ ID NO:104	19	KKSGVLILGAGRVXRPAADFLASVRTISSQQWYKTYFGADSEKTDVHVI	68
		. . .     :     .     .     .     .	..   :   .
S. cerevisiae SDH	1	MGKNVLLGSGFVAQPVIDTLAA.....NDDINVT	30
	69	VASLYLKDAKETVEGISDVVEAVRLDVSDSESLKYVSQVDVLSLLPASC	118
		:     :     :     :     .     .     .     .     .     .	
	31	VACRTLANA.QALAKPSGSKAISLDVTDSDSALDKVLADNDVVISLIPYTF	79
	119	HA	120
		:	
	80	HP	81
SEQ ID NO:105	1	KHTATLLEFGDIKNQGTTAMAKTVGIPAAIGALLIEDKIKTRGVLRL	50
		. :   .     : :   : : . . .     .     .     .     .	..   :   .     .     .     .
S. cerevisiae SDH	374	TRTSTLVDYGV...GGYSSMAATVGYPVAIATKFFVLDGTIKGPGLLAPY	420
	51	EAEVYLPALDIL.QAYGIKLMKAE	74
		. :   :   :   :   :         .	
	421	SPEINDPIMKELDKYGIYLKEKTVA	446

FIG. 10



NCOI                      EARI                      ASP718ECORI

CATGGAGGAGAAGATGAAGGC → GATGGAAGAGAAAGATGAAGCGTGATAAGTACCG

CTCCTCTTCTACT TCCGCTA CCTTC TC TCGACTTCGCACTATCCATGGCTTAA

M E E K M K A M E E K M K A

↓ LIGATE OLIGOS

GATGGAGGAGAAGATGAAGGC

CCTCCTCTTCTACTTCCGCTA

M E E K M K A

↓ LIGATE TO EARI CUT VECTOR

NCOI                      EARI                      ASP718ECORI

CATGGAGGAGAAGATGAAGGC GATGGAGGAGAAGATGAAGCGTGATAAGTACCG

CTCCTCTTCTACT TCCGCTA CCTCCTCTTCTACTTCCGCTA CCTTC TC TCGACTTCGCACTATCCATGGCTTAA

M E E K M K A M E E K M K A M E E K M K A

ASP718ECORI

AGGTACCG

TCCATGGCTTAA

M K A

FIG.12

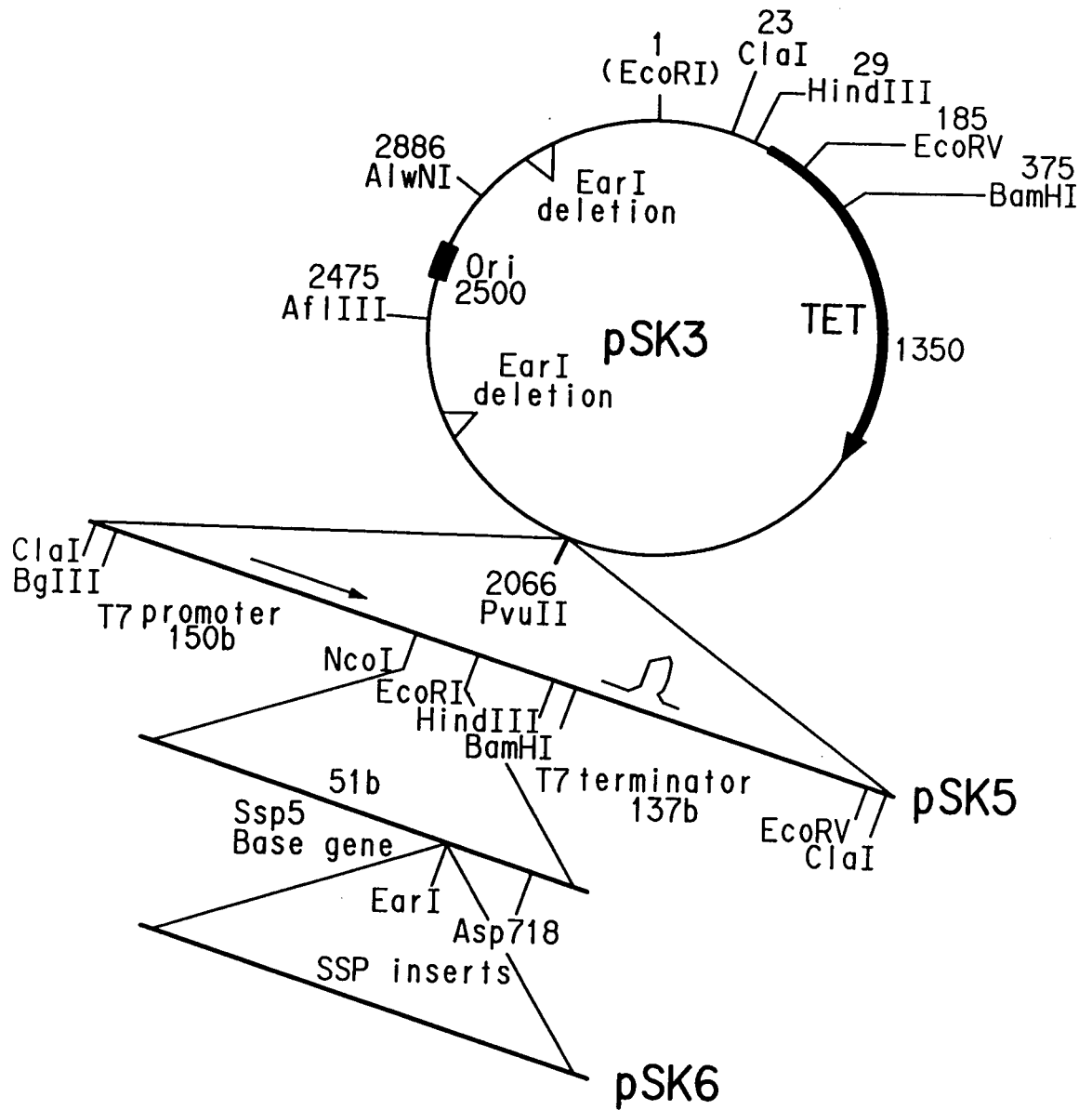
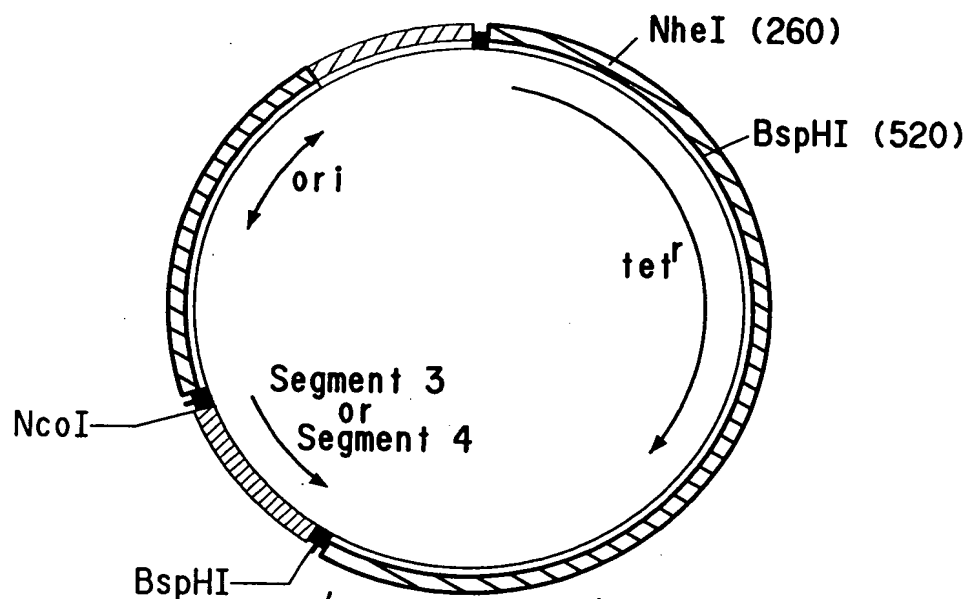






FIG. 14a



Segment 3 Digest NheI/BspHI      Segment 4 Digest NheI/NcoI

FIG. 14b

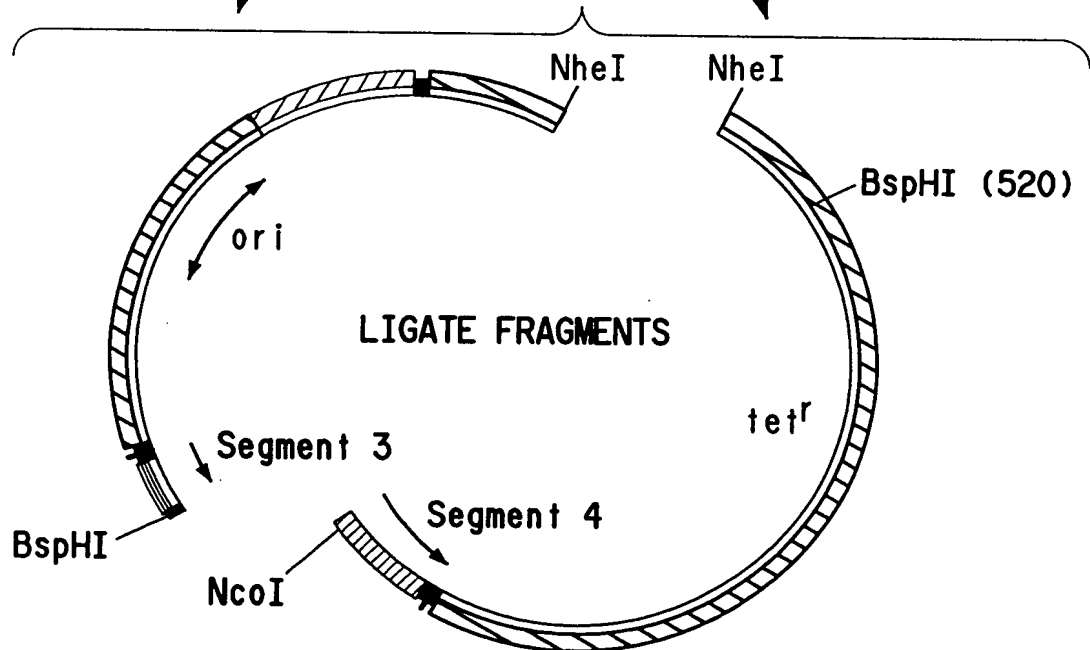
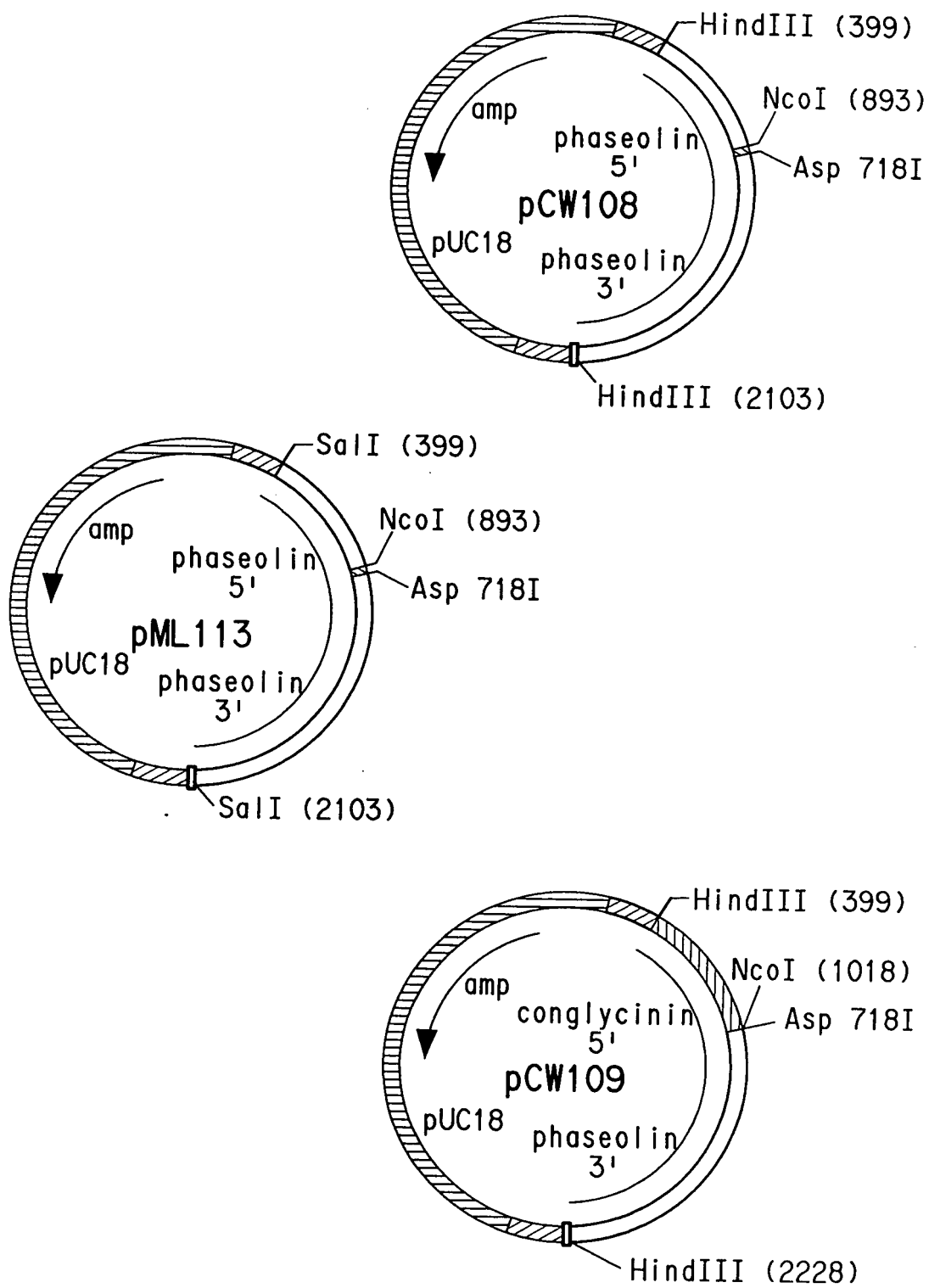


FIG. 15



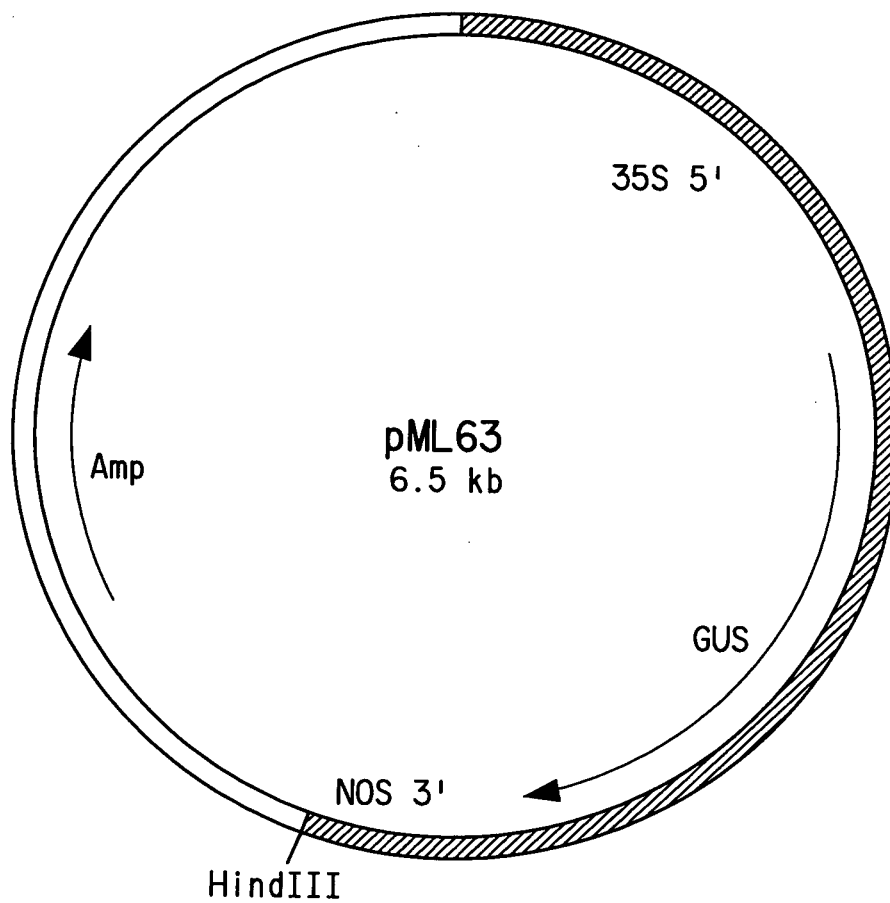


FIG.16

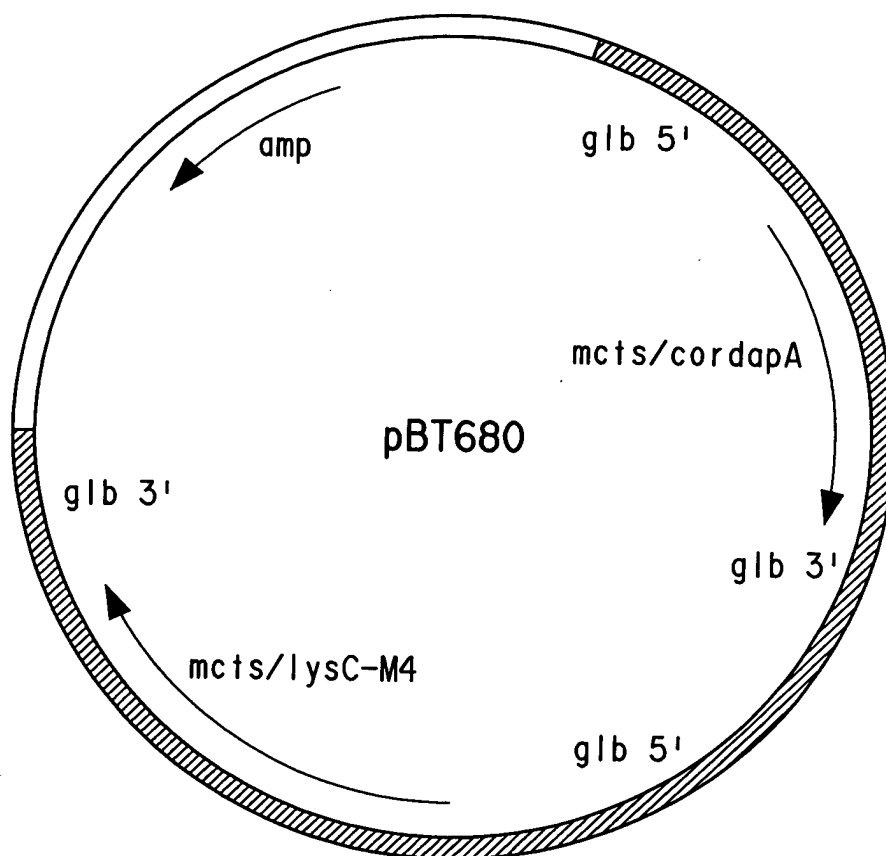


FIG.17

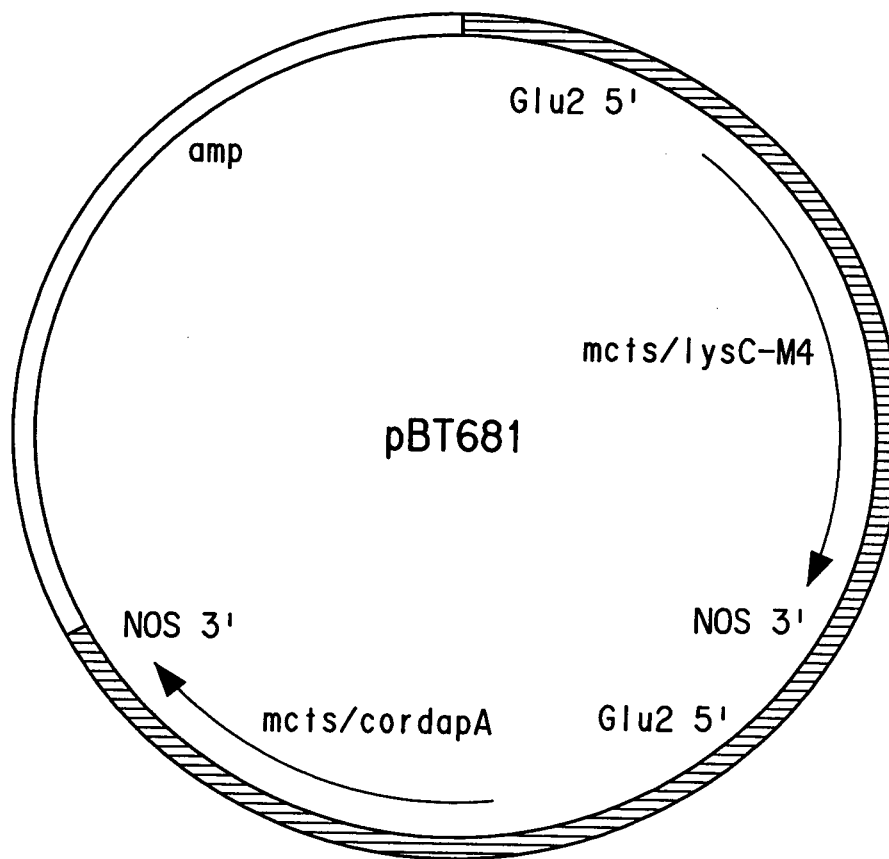


FIG. 18

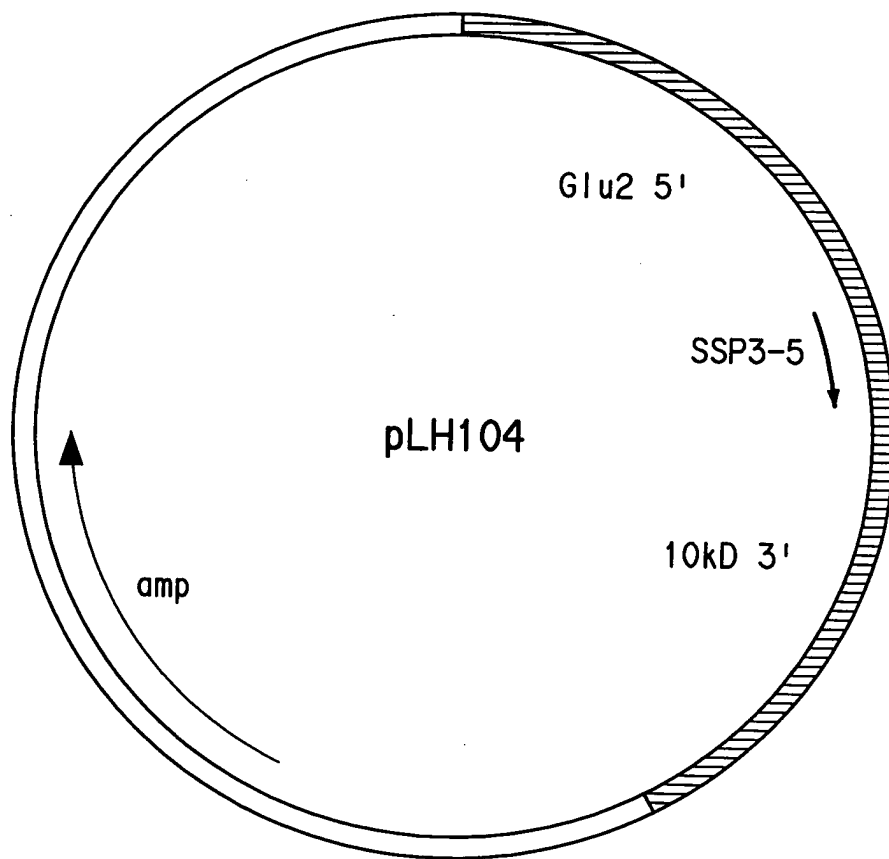


FIG. 19

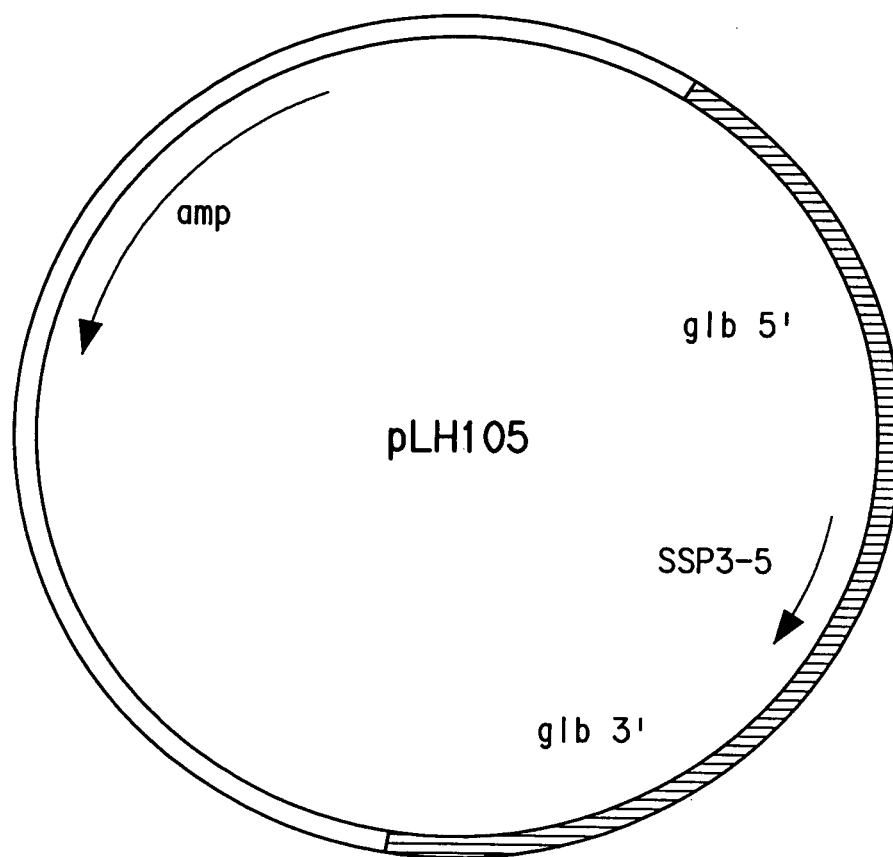


FIG.20

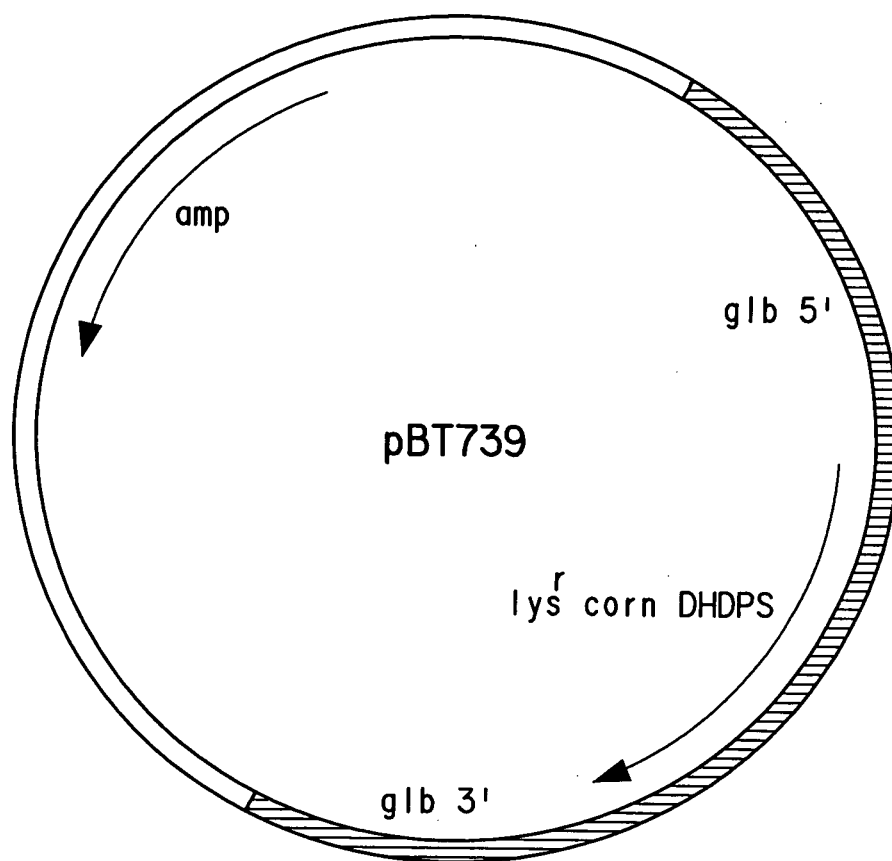


FIG.21



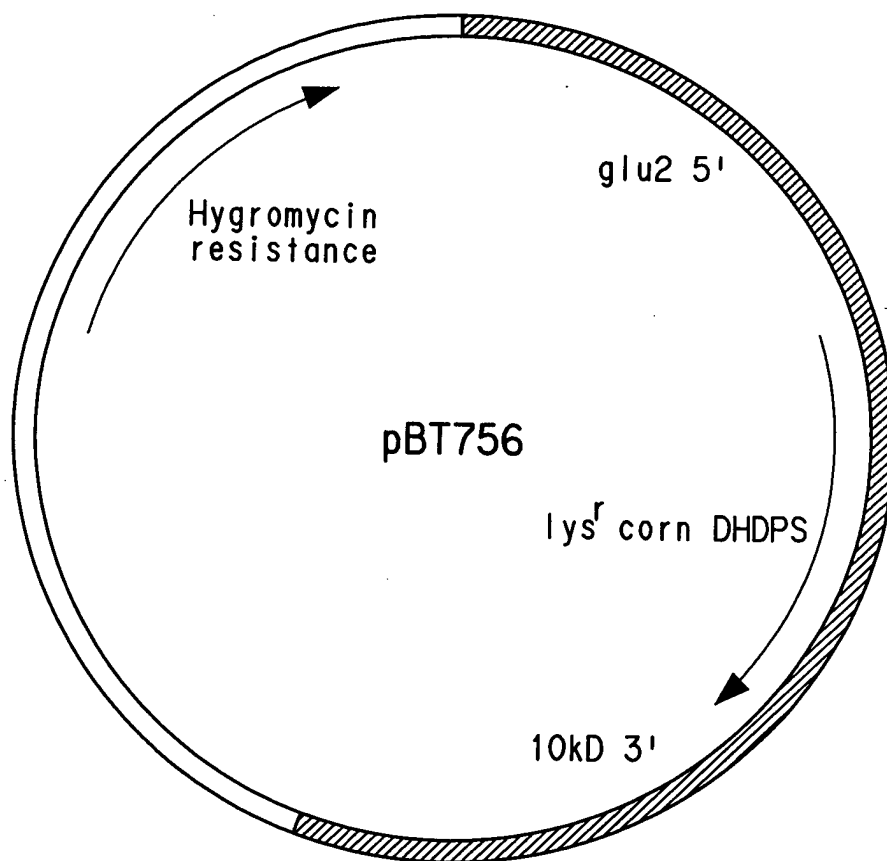


FIG.22